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DECLARATION  
AND POWER OF ATTORNEY  
U.S.A.ALL PATENTS, INCLUDING DESIGN  
FOR APPLICATION BASED ON PCT, PARIS CONVENTION,  
NON PRIORITY, OR PROVISIONAL APPLICATIONS

FOR ATTORNEYS' USE ONLY

ATTORNEYS' DOCKET NO.

As a below named inventor, I declare that my residence, post office address and citizenship are stated below next to my name, the information given herein is true, that I believe that I am the original, first and sole inventor (if only one name is listed at 201 below), or an original, first and joint inventor (if plural inventors are named below at 201-203, or on additional sheets attached hereto) of the subject matter which is claimed and for which patent is sought on the invention entitled:

**β-Hexosaminidase and a DNA Sequence Coding it Obtained from Ciliates and Use Thereof**

which is described and claimed in:

☐ the attached specification☐PCT International Application No. PCT/EP 00/01853filed March 3, 2000☐

the specification in application Serial No. \_\_\_\_\_

filed \_\_\_\_\_

(if applicable) and amended on. \_\_\_\_\_

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §119 (a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)

199 09 189.7

DE

March 4, 1999

Priority Claimed

☒ Yes ☐ No

(Number)

(Country)

(Day/Month/Year Filed)

199 58 979.8

DE

December 8, 1999☒ Yes ☐ No

(Number)

(Country)

(Day/Month/Year Filed)

(Number)

(Country)

(Day/Month/Year Filed)

☐ Yes ☐ No

I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional application(s) listed below:

Application No. \_\_\_\_\_

Filing Date \_\_\_\_\_

Application No. \_\_\_\_\_

Filing Date \_\_\_\_\_

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

(Application Serial No.) \_\_\_\_\_

(Filing Date) \_\_\_\_\_

(Status: patented, pending, abandoned) \_\_\_\_\_

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorneys (Registration No. ) to prosecute this application, receive and act on instructions from my agent, and transact all business in the Patent and Trademark Office connected therewith. HARVEY B. JACOBSON, JR. (20,851); JOHN CLARKE HOLMAN (22,783); MARVIN R. STERN (20,640); ALLEN S. MELSER (27,215); MICHAEL R. SLOBASKY (28,421); JONATHAN L. SCHERER (29,851); IRWIN M. AISENBERG (19,007); WILLIAM E. PLAYER (31,409); YOON S. HAM (43,307) and NATHANIEL A. HUMPHRIES (22,772)

SEND CORRESPONDENCE TO: CUSTOMER NO. 00138

or

JACOBSON HOLMAN

PROFESSIONAL LIMITED LIABILITY COMPANY

480 SEVENTH STREET, N.W.

WASHINGTON, D.C. 20004

DIRECT TELEPHONE CALLS TO:

(Please use Attorney's Docket No.) (202) 638-6668

JACOBSON HOLMAN

PROFESSIONAL LIMITED LIABILITY COMPANY

Inventor(s) name must include at least one unabbreviated first or middle name.

	FULL NAME * OF INVENTOR	FAMILY NAME	GIVEN NAME	MIDDLE NAME
201	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE OR COUNTRY
		Schloßplatz 5	Münster	Germany
				ZIP CODE
				48149
202	FULL NAME * OF INVENTOR	FAMILY NAME	GIVEN NAME	MIDDLE NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE OR COUNTRY
		Schloßplatz 5	Münster	Germany
				ZIP CODE
				48149
203	FULL NAME * OF INVENTOR	FAMILY NAME	GIVEN NAME	MIDDLE NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE OR COUNTRY
		Ludwig-Thoma-Str. 25	Regensburg	Germany
				ZIP CODE
				93051

further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment or both, under section 1001 of Title 18 of the United States Code; and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

SIGNATURE OF INVENTOR 201\*

Marcus Hartmann

SIGNATURE OF INVENTOR 202\*

Arno Tiedtke

SIGNATURE OF INVENTOR 203\*

Uwe BaumertDATE 09.10.2001DATE 13.10.01

DATE \_\_\_\_\_

Additional inventors are named on separately numbered sheets attached hereto.

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DECLARATION  
AND POWER OF ATTORNEY  
U.S.A.ALL PATENTS, INCLUDING DESIGN  
FOR APPLICATION BASED ON PCT, PARIS CONVENTION;  
NON PRIORITY; OR PROVISIONAL APPLICATIONSATTORNEYS' USE ONLY  
ATTORNEYS' DOCKET NO.

As a below named inventor, I declare that my residence, post office address and citizenship are stated below next to my name, the information given herein is true, that I believe that I am the original first and sole inventor (if only one name is listed at 201 below), or an original, first and joint inventor (if plural inventors are named below at 201-203, or on additional sheets attached hereto) of the subject matter which is claimed and for which patent is sought on the invention entitled:

**B-Hexosaminidase and a DNA Sequence Coding it Obtained from Ciliates and Use Thereof**

which is described and claimed in:

☐ the attached specification☐ PCT International Application No. PCT/EP 00/01853☐ the specification in application Serial No. \_\_\_\_\_filed March 3, 2000

(If applicable) and amended on \_\_\_\_\_

filed \_\_\_\_\_

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to patentability as defined in Title 35, United States Code, §112, Code of Federal Regulations, §1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §119 (a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)  
199 09 189.7

DE

March 4, 1999

(Number)

(Country)

(Day/Month/Year Filed)

Priority Claimed

☒ Yes☐ No199 58 979.8

DE

December 8, 1999

(Number)

(Country)

(Day/Month/Year Filed)

☒ Yes☐ No

(Number)

(Country)

(Day/Month/Year Filed)

☐ Yes☐ No

I hereby claim the benefit under Title 35, United States Code, §112(e) of any United States provisional application(s) listed below:

Application No. \_\_\_\_\_

Filing Date \_\_\_\_\_

Application No. \_\_\_\_\_

Filing Date \_\_\_\_\_

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

(Application Serial No.) \_\_\_\_\_

(Filing Date) \_\_\_\_\_

(Status: patented, pending, abandoned) \_\_\_\_\_

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorneys (Registration No. ) to prosecute this application, receive and act on instructions from my agent, and transact all business in the Patent and Trademark Office connected therewith. HARVEY B. JACOBSON, JR. (20,851); JOHN CLARKE HOLMAN (22,788); MARVIN R. STERN (20,840); ALLEN S. MELSER (27,215); MICHAEL R. SLOBASKY (26,421); JONATHAN L. SCHERER (29,851); IRWIN M. AISENBERG (19,007); WILLIAM E. PLAYER (31,409); YOON S. HAM (45,307) and NATHANIEL A. HUMPHRIES (22,772)

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or

**JACOBSON HOLMAN**  
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400 SEVENTH STREET, N.W.  
WASHINGTON, D.C. 20004

DIRECT TELEPHONE CALLS TO:

(please use Attorney's Docket No.) (202) 638-6666

**JACOBSON HOLMAN**  
PROFESSIONAL LIMITED LIABILITY COMPANY

\*Inventor(s) name must include at least one unabbreviated first or middle name.

FULL NAME * OF INVENTOR	FAMILY NAME	GIVEN NAME	MIDDLE NAME
201 RESIDENCE & CITIZENSHIP	<u>Hartmann</u>	<u>Marcus</u>	
POST OFFICE ADDRESS	<u>Münster</u>	<u>STATE OR FOREIGN COUNTRY</u> <u>Germany</u>	<u>COUNTRY OF CITIZENSHIP</u> <u>Germany</u>
	<u>Schloßplatz 5</u>	<u>CITY</u> <u>Münster</u>	<u>STATE OR COUNTRY</u> <u>Germany</u>
			<u>ZIP CODE</u> <u>48149</u>
202 FULL NAME * OF INVENTOR	<u>Tiedtke</u>	<u>Arno</u>	
RESIDENCE & CITIZENSHIP	<u>Münster</u>	<u>STATE OR FOREIGN COUNTRY</u> <u>Germany</u>	<u>COUNTRY OF CITIZENSHIP</u> <u>Germany</u>
POST OFFICE ADDRESS	<u>Schloßplatz 5</u>	<u>CITY</u> <u>Münster</u>	<u>STATE OR COUNTRY</u> <u>Germany</u>
			<u>ZIP CODE</u> <u>48149</u>
203 FULL NAME * OF INVENTOR	<u>Baumert</u>	<u>Uwe</u>	
RESIDENCE & CITIZENSHIP	<u>Regensburg</u>	<u>STATE OR FOREIGN COUNTRY</u> <u>Germany</u>	<u>COUNTRY OF CITIZENSHIP</u> <u>Germany</u>
POST OFFICE ADDRESS	<u>Ludwig-Thoma-Str. 25</u>	<u>CITY</u> <u>Regensburg</u>	<u>STATE OR COUNTRY</u> <u>Germany</u>
			<u>ZIP CODE</u> <u>93051</u>

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment or both, under section 1001 of Title 18 of the United States Code; and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

SIGNATURE OF INVENTOR 201

SIGNATURE OF INVENTOR 202

SIGNATURE OF INVENTOR 203

DATE

DATE

Additional inventors are named on separately numbered sheets attached hereto.

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Atty. Docket No. P67083US0

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

Marcus HARTMANN et al.

Serial No.: 09/914,870

Filed: September 4, 2001

For:  $\beta$ -HEXOSAMINIDASE AND A DNA SEQUENCE CODING IT OBTAINED FROM  
CILIATES AND USE THEREOF

## CONSENT OF ASSIGNEE UNDER 37 CFR 1.497(d)(3)

Commissioner of Patents  
Washington, D.C. 20231

Sir:

Cilian AG, a corporation of Germany, assignee of the instant application pursuant to assignment documents (copies attached) executed by the inventors, consents in accordance with 37 CFR 1.497(d)(3) to the filing, herewith, of the inventorship declaration under 35 USC 371(c)(4) and 37 CFR 1.497, which inventorship declaration names an inventive entity different from the inventive entity set forth in international application PCT/EP00/01853, filed March 3, 2000.

Cilian AG

By:



Name: Peter VOHLE

MARCUS HARTMANN

Title: VORSTAND/

VORSTAND

SHAREHOLDER

SHAREHOLDER

10.01.2001

Date

## UNITED STATES OF AMERICA - ASSIGNMENT

(1-5) Insert Name(s) of Inventors

- (1) Hartmann, Marcus  
 (2) Tiedtke, Arno  
 (3) Baumert, Uwe  
 (4) \_\_\_\_\_  
 (5) \_\_\_\_\_ and

In consideration of the sum of one dollar (\$1.00), and other good and valuable considerations paid to each of the undersigned, the receipt and sufficiency of which are hereby acknowledged, the undersigned hereby assigns, transfers and sets over to

(6) Insert Name of Assignee(6) Cilian AG(7) Insert Address of Assignee(7) of Gasselstiege 38, 48159 Münster(8) Insert Legal Entity and State or Country (e.g., a corporation or citizen of Japan)(8) a corporation of Germany

(hereinafter designated as the Assignee) the entire right, title and interest for the United States, its territories, dependencies and possessions, in the invention known as

(9) Insert Identification of Invention, such as Title, Case Number or Foreign Application Number(9) B-Hexosaminidase and a DNA Sequence Coding it Obtaining from Ciliates and Use Thereof(10) Insert Date of signing of Application, or filing date and Serial No., if known

(10) Said application having been executed/ filed on \_\_\_\_\_ (and assigned Serial No. \_\_\_\_\_)

1) The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing or divisional applications and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this or any continuing or divisional applications thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

3) The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims provisions of the International Union for Protection of Industrial Property or similar agreements.

4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the

5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents and Trademarks to issue any and all Letters Patents United States resulting from this application or any continuing or divisional applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute any agreement in conflict herewith.

6) Assignor hereby further assigns to Assignee all claims and causes of action for infringement of the patent rights assigned herein, including right to sue for, and collect damages for, any and all acts of past and future infringement.

7) The undersigned hereby grant(s) the law firm of Jacobson Holman PLLC, 400 Seventh Street, N.W., Washington, D.C. 20004, the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date	<u>10.10.2001</u>	Name of Inventor	<u>Hartmann, Marcus</u>	<u>Marcus Hartmann</u> (SEAL) signature
Date	_____	Name of Inventor	<u>Tiedtke, Arno</u>	<u>Arno Tiedtke</u> (SEAL) signature
Date	_____	Name of Inventor	<u>Baumert, Uwe</u>	signature (SEAL)
Date	_____	Name of Inventor	_____	signature (SEAL)
Date	_____	Name of Inventor	_____	signature (SEAL)
Date	_____	Name of Inventor	_____	signature (SEAL)

This assignment should preferably be signed before a United States Consul if signed abroad, or a Notary Public if domestically signed. If not, then the execution by the inventor(s) should be witnessed by at least two witnesses who sign here:

☐ Additional inventor's names and on a separate sheet.

Witness \_\_\_\_\_

Witness \_\_\_\_\_

LAW OFFICES OF  
**JACOBSON HOLMAN**  
 PROFESSIONAL LIMITED LIABILITY COMPANY  
 THE JENIFER BUILDING  
 400 SEVENTH STREET, N.W.  
 WASHINGTON, D.C. 20004

## ED STATES OF AMERICA - ASSIGNMENT

(1-5) Insert Name(s) of Inventors(1) Hartmann, Marcus(2) Tiedtke, Arno(3) Baumert, Uwe

(4) \_\_\_\_\_

(5) \_\_\_\_\_ and

In consideration of the sum of one dollar (\$1.00), and other good and valuable considerations paid to each of the undersigned, the receipt and sufficiency of which are hereby acknowledged, the undersigned hereby assigns, transfers and sets over to

(5) Insert Name of Assignee(8) Cilian AG(7) Insert Address of Assignee(7) of Gasselstr. 38, 48159 Münster(8) Insert Legal Entity and State or Country (e.g., a corporation or citizen of Japan)(8) a corporation of Germany

(hereinafter designated as the Assignee) the entire right, title and interest for the United States, its territories, dependencies and possessions, in the invention known as

(9) Insert Identification of Invention, such as Title, Case Number or Foreign Application Number(9) B-Hexosaminidase and a DNA Sequence Coding it Obtaining from Ciliates and Use Thereof(10) Insert Date of signing of Application, or filing date and Serial No., if known

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2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this or any continuing or divisional applications thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

3) The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims provisions of the International Union for Protection of Industrial Property or similar agreements.

4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the United States resulting from this application or any continuing or divisional applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute any agreement in conflict herewith.

5) Assignor hereby further assigns to Assignee all claims and causes of action for infringement of the patent rights assigned herein, including right to sue for, and collect damages for, any and all acts of past and future infringement.

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In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date	Name of Inventor	<u>Hartmann, Marcus</u>	typed name	signature	(SEAL)
Date	Name of Inventor	<u>Tiedtke, Arno</u>	typed name	signature	(SEAL)
Date	Name of Inventor	<u>Baumert, Uwe</u>	typed name	<u>Uwe Baumert</u>	(SEAL)
Date	Name of Inventor	_____	typed name	signature	(SEAL)
Date	Name of Inventor	_____	typed name	signature	(SEAL)

This assignment should preferably be signed before a United States Consul if signed abroad, or a Notary Public if domestically signed. If not, then the execution by the inventor(s) should be witnessed by at least two witnesses who sign here.

☐ Additional inventor's names and on a separate sheet.

Witness

Witness

Dr. M. Preising

Dipl. Biol.

LAW OFFICES OF

JACOBSON HOLMAN

PROFESSIONAL LIMITED LIABILITY COMPANY

THE JENIFER BUILDING

400 SEVENTH STREET, N.W.

WASHINGTON, D.C. 20004